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| <b>TRANSMITTAL LETTER TO THE UNITED STATES<br/>DESIGNATED/ELECTED OFFICE (DO/EO/US)<br/>CONCERNING A NATIONAL STAGE FILING UNDER 35 U.S.C. § 371</b>  |   | ATTORNEY'S DOCKET NUMBER<br>4082-75814-01  |
|   |   | U.S. APPLICATION NO. (if known, see 37 C.F.R. § 1.5)<br><b>10/582257</b><br><small>currently unknown</small> |
| INTERNATIONAL APPLICATION NO.<br>PCT/JP2004/018054  | INTERNATIONAL FILING DATE<br>03 December 2004 | PRIORITY DATE CLAIMED<br>09 December 2003  |
| TITLE OF INVENTION<br><b>FIR FILTER</b>   |   |  |
| APPLICANT(S) FOR DO/EO/US<br><b>Eiichi Takahashi &amp; Tetsuya Higuchi</b>  |   |  |
| Applicant herewith submits to the United States Designated/Elected Office (DO/EO/US) the following items and other information: <ol style="list-style-type: none"><li><input checked="" type="checkbox"/> This is a <b>FIRST</b> submission of items concerning a filing under 35 U.S.C. § 371.</li><li><input type="checkbox"/> This is a <b>SECOND</b> or <b>SUBSEQUENT</b> submission of items concerning a filing under 35 U.S.C. § 371.</li><li><input checked="" type="checkbox"/> This is an express request to begin national examination procedures (35 U.S.C. § 371(f)) at any time rather than delay examination until the expiration of the applicable time limit set in 35 U.S.C. § 371(b) and PCT Articles 22 and 39(1). Items 5, 6, 9 and 21 indicated below are submitted to make this express request.</li><li><input type="checkbox"/> The United States has been elected in a Demand for International Preliminary Examination (Article 31).</li><li><input checked="" type="checkbox"/> A copy of the International Application as filed (35 U.S.C. § 371(c)(2))<ol style="list-style-type: none"><li><input checked="" type="checkbox"/> is attached hereto (required only if not communicated by the International Bureau).</li><li><input type="checkbox"/> has been communicated by the International Bureau.</li><li><input type="checkbox"/> is not required, as the application was filed in the United States Receiving Office (RO/US).</li></ol></li><li><input checked="" type="checkbox"/> An English-language translation of the International Application (35 U.S.C. § 371(c)(2)).<ol style="list-style-type: none"><li><input checked="" type="checkbox"/> is attached hereto.</li><li><input type="checkbox"/> has been previously submitted under 35 U.S.C. 154(d)(4).</li></ol></li><li><input checked="" type="checkbox"/> Amendments to the claims of the International Application under PCT Article 19 (35 U.S.C. § 371(c)(3))<ol style="list-style-type: none"><li><input type="checkbox"/> are attached hereto (required only if not communicated by the International Bureau to the United States Receiving Office).</li><li><input type="checkbox"/> have been communicated by the International Bureau.</li><li><input type="checkbox"/> have not been made; however, the time limit for making such amendments has NOT expired.</li><li><input checked="" type="checkbox"/> have not been made and will not be made.</li></ol></li><li><input type="checkbox"/> An English-language translation of the amendments to the claims under PCT Article 19 (35 U.S.C. § 371(c)(3)).</li><li><input checked="" type="checkbox"/> An unsigned oath or declaration of the inventor(s) (35 U.S.C. § 371(c)(4)).</li><li><input type="checkbox"/> An English-language translation of the annexes to the International Preliminary Examination Report under PCT Article 36 (35 U.S.C. § 371(c)(5)).</li></ol> <p><b>Items 11 to 20 below concern document(s) or information included:</b></p> <ol style="list-style-type: none"><li><input checked="" type="checkbox"/> An Information Disclosure Statement under 37 C.F.R. §§ 1.97 and 1.98.</li><li><input type="checkbox"/> An assignment document for recording. A separate cover sheet in compliance with 37 C.F.R. §§ 3.28 and 3.31 and the Recordal fee of \$40.00 are included.</li><li><input checked="" type="checkbox"/> A preliminary amendment.</li><li><input type="checkbox"/> An Application Data Sheet under 37 C.F.R. § 1.76.</li><li><input type="checkbox"/> A substitute specification.</li><li><input type="checkbox"/> A power of attorney and/or change of address letter.</li><li><input type="checkbox"/> A computer-readable form of the sequence listing in accordance with PCT Rule 13ter.2 and 37 C.F.R. §§ 1.821 - 1.825.</li><li><input type="checkbox"/> A second copy of the published International Application under 35 U.S.C. § 154(d)(4).</li><li><input type="checkbox"/> A second copy of the English-language translation of the international application under 35 U.S.C. § 154(d)(4).</li><li><input checked="" type="checkbox"/> Other items or information:<ol style="list-style-type: none"><li><input checked="" type="checkbox"/> Abstract on a separate page.</li><li><input type="checkbox"/> Written Opinion.</li><li><input type="checkbox"/> Preliminary Examination Report.</li><li><input checked="" type="checkbox"/> International Search Report.</li><li><input checked="" type="checkbox"/> Copies of References Cited.</li></ol></li></ol> |   |  |

DATE OF DEPOSIT: June 9, 2006

**AP3 Rec'd PCT/PTO 09 JUN 2006**

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| U.S. APPLICATION NO. (if known) (37 C.F.R. § 1.53)<br>Current (37 C.F.R. § 1.53)   |              | INTERNATIONAL APPLICATION NO.<br>PCT/JP2004/018054                            |            | ATTORNEY'S DOCKET NUMBER<br>4082-75814-01 |    |
| The following fees are submitted:  |              |   |            |   |    |
| 21. <input checked="" type="checkbox"/> Basic national fee (37 C.F.R. 1.492(a)).....   |              |   |            | \$ 300.00                                 |    |
| 22. <input checked="" type="checkbox"/> Examination fee (37 C.F.R. 1.492 (c))<br>If the written opinion prepared by ISA/US or the international preliminary examination report prepared by IPEA/US indicates all claims satisfy provisions of PCT Article 33(1)-(4).....   |              |   |            | \$ 200.00                                 |    |
| All other situations .....   |              |   |            |   |    |
| 23. <input checked="" type="checkbox"/> Search fee (37 C.F.R. 1.492(b))<br>If the written opinion of the ISA/US or the International preliminary examination report prepared by IPEA/US indicates all claims satisfy provisions of PCT Articles 33(1)-(4).....   |              |   |            | \$ 500.00                                 |    |
| Search fee (37 C.F.R. 1.445(a)(2)) has been paid on the international application to the USPTO as an International Searching Authority.....  |              |   |            | \$100                                     |    |
| International Search Report prepared by an ISA other than the US and provided to the Office or previously communicated to the US by the IB.....  |              |   |            | \$400                                     |    |
| All other situations .....   |              |   |            | \$500                                     |    |
| <b>TOTAL OF 21, 22, and 23 =</b>   |              |   |            | <b>\$ 1,000.00</b>                        |    |
| <input type="checkbox"/> Additional fee for specification and drawings filed in paper over 100 sheets (excluding sequence listing or computer program listing filed in electronic medium). The fee is \$250 for each additional 50 sheets of paper or fraction thereof.  |              |   |            |   |    |
| Total Sheets   | Extra Sheets | Number of each additional 50 or fraction thereof (round up to a whole number) | RATE       |   |    |
| 31 - 100   | 0 / 50 =     | 0   | x \$250    | \$ 0.00                                   |    |
| Surcharge of \$130.00 for furnishing the oath or declaration later than 30 months from the earliest claimed priority date (37 C.F.R. § 1.492(e)).  |              |   |            | \$ 130.00                                 |    |
| CLAIMS   | NUMBER FILED | NUMBER EXTRA  | RATE       |   |    |
| Total claims   | 22 - 20 =    | 2   | x \$50.00  | \$ 100.00                                 |    |
| Independent Claims   | 1 - 3 =      | 0   | x \$200.00 | \$ 0.00                                   |    |
| MULTIPLE DEPENDENT CLAIM(S) (if applicable)  |              |   | + \$360.00 | \$ 0.00                                   |    |
| <b>TOTAL OF ABOVE CALCULATIONS =</b>   |              |   |            | <b>\$ 1,230.00</b>                        |    |
| <input checked="" type="checkbox"/> Small entity status is claimed for this application. Fees above are reduced by 1/2.  |              |   |            | \$ 615.00                                 |    |
| <b>SUBTOTAL =</b>  |              |   |            | <b>\$ 615.00</b>                          |    |
| Processing fee of \$130.00 for furnishing the English translation later than 30 months from the earliest claimed priority date (37 C.F.R. §§ 1.492(f)).  |              |   |            | \$ 0.00                                   |    |
| <b>TOTAL NATIONAL FEE =</b>  |              |   |            | <b>\$ 615.00</b>                          |    |
| Fee for recording the enclosed assignment (37 C.F.R. § 1.21(h)). The assignment must be accompanied by an appropriate cover sheet (37 C.F.R. §§ 3.28, 3.31). \$40.00 per property.   |              |   |            | \$ 0.00                                   |    |
| <b>TOTAL FEES ENCLOSED =</b>   |              |   |            | <b>\$ 615.00</b>                          |    |
|  |              |   |            | Amount to be refunded                     | \$ |
|  |              |   |            | Amount to be charged                      | \$ |
| <p>a. <input checked="" type="checkbox"/> A check in the amount of \$ <u>615.00</u> to cover the above fees is enclosed.</p> <p>b. <input type="checkbox"/> Please charge my Deposit Account No. _____ in the amount of \$ _____ to cover the above fees. A duplicate copy of this sheet is enclosed.</p> <p>c. <input checked="" type="checkbox"/> The Director is hereby authorized to charge any additional fees that may be required, or credit any overpayment, to Deposit Account No. <u>02-4550</u>. A duplicate copy of this sheet is enclosed.</p> <p>d. <input checked="" type="checkbox"/> Please return the enclosed postcard to confirm that the items listed above have been received.</p> |              |   |            |   |    |
| <p><b>NOTE:</b> Where an appropriate time limit under 37 C.F.R. § 1.494 or § 1.495 has not been met, a petition to revive (37 C.F.R. § 1.137(a) or (b)) must be filed and granted to restore the application to pending status.</p>  |              |   |            |   |    |
| <p>SEND ALL CORRESPONDENCE TO THE ADDRESS ASSOCIATED WITH<br/><b>CUSTOMER NUMBER 24197</b></p>   |              |   |            |   |    |
| <p>KLARQUIST SPARKMAN, LLP<br/>One World Trade Center, Suite 1600<br/>121 S.W. Salmon Street<br/>Portland, OR 97204-2988</p>   |              |   |            |   |    |
| <p><i>Michael P. Girard</i><br/>SIGNATURE</p>  |              |   |            |   |    |
| <p>Michael P. Girard<br/>NAME</p>  |              |   |            |   |    |
| <p><u>38,467</u><br/>REGISTRATION NUMBER</p>   |              |   |            |   |    |

cc: Docketing